



Dart Aerospace Ltd.
1270 Aberdeen St.
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

PRELIMINARY ISSUE

601.3893

Job Sheet 210829



POSITIVE
RECALL

POSITIVE RECALL

Part No: 601.3893

Job Qty: 2 pcs

Part Name: O-Ring



Part Weight: 0 lbs

Job Created: 6/23/20

Due Date: 7/15/20

Type: SOLD

Status: New

Priority: Medium

Job Tracking No:

Created By: Marie Lajeunesse

Description:

Note: 601.3893 REV.PR1 IPP REV:A 20.06.23 NEW ISSUE DD VERF:JFS

Ship Via:

EFFECTIVE JUN 23 2020 AUTH DAS
21
RELEASED DATE 9-09

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard Setup Hrs	Run Hrs	Workcenter/Supplier	Sign-off
100	Purchasing <i>memaster</i>	2 pcs	7/15/20		0.00	0.00	Purchasing - 1	<i>dos</i> JUN 03 2020
							Purchasing - 2	
							Purchasing - 3	
110	Packaging 2-1 - Receive - B4B	2 pcs	7/15/20		0.00	0.00	Packaging 2 - 1 - B4B	
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	<i>dos</i> JUL 03 2020
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	
							Packaging 2 - 28 - B4B	



Container No: S285900



Part: 601.3893

Job No: 210829

Serial No/Batch: S285900

Revision: REV.PR1

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 813 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 07/03/20

Plex 6/23/20 3:20 PM Dart.lajeunesse.marie

				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
				Packaging 2 - 37 - B4B	
120 QC 6	2 pcs	7/15/20	0.00 0.00	QC 6 - 9	
				QC 6 - 68	
				QC 6 - 61	
				QC 6 - 40	
				QC 6 - 81	
				QC 6 - 82	
130 Packaging 3-1 - Stock - B4B	2 pcs	7/15/20	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
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				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
				Packaging 3 - 37 - B4B	
140 QC 21 - SA	2 pcs	7/15/20	0.00 0.00	QC 21 - SA - 21	
				QC 21 - SA - 70	
				QC 21 - SA - 9	
				QC 21 - SA - 77	

DAS
82
9-89

JUL 07 2020

DAS
82
9-89

JUL 07 2020

Part Op 100 - ISSUE P/O: C OF C IS REQUIRED

Descriptions: 110 - Receive & Inspect for Damage & Mat'l Certs

120 - QC6- All purchased or subcontracted products

130 - Identify as per dwg & Stock EXPIRED DATE _____

140 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
1173N124	O-Ring	2 Ea (1 ea)	100-Purchasing	5283899

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	1173N124	2	0	0

Part Specifications

Specifications could not be found.

Plex 6/23/20 3:20 PM Dart.lajeunesse.marie

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only

Job: _____ Part No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐		DEPARTMENT/PROCESS Cross tube ☐ Skid-tube ☐ Small Fab ☐ Machining ☐ Finishing ☐ Large Fab ☐		Eng. (Non-AW) ☐ Engineering ☐ Prod. Eng. Coord. ☐ Water Jet ☐ Rec/Store/Packaging ☐ Supplier ☐ Quality ☐																													
Date: _____		Sequence #: _____		QTY Affected: _____		MRB (QS1042)																													
Description Work Order Deviation				Disposition																															
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐				FAULT CATEGORY <table border="1"> <tr> <td>Pressure/Forced</td> <td>Contamination</td> <td>Power Loss/Surge</td> <td>Positioned Wrong</td> </tr> <tr> <td>Bending</td> <td>Misaligned/off center</td> <td>Folio/Program</td> <td>Outside Tolerance</td> </tr> <tr> <td>Crushing</td> <td>BOM/Route</td> <td>Grain Direction</td> <td>Drawing</td> </tr> <tr> <td>Cracks</td> <td>Broken/Damage/Defect</td> <td>Weld</td> <td>Finish</td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave/Twist</td> <td>Incomplete/Unclear Instructions</td> <td>Wrong Stock Pulled</td> <td>Part Lost/Missing</td> </tr> <tr> <td>Marks/Chatter</td> <td>Drill Holes</td> <td>Out of Sequence</td> <td>Misread</td> </tr> <tr> <td>Mislabeled</td> <td>Fit/Function</td> <td>Off-set/Set-up</td> <td></td> </tr> </table>				Pressure/Forced	Contamination	Power Loss/Surge	Positioned Wrong	Bending	Misaligned/off center	Folio/Program	Outside Tolerance	Crushing	BOM/Route	Grain Direction	Drawing	Cracks	Broken/Damage/Defect	Weld	Finish	Crimp/Kink/Ripple/Wave/Twist	Incomplete/Unclear Instructions	Wrong Stock Pulled	Part Lost/Missing	Marks/Chatter	Drill Holes	Out of Sequence	Misread	Mislabeled	Fit/Function	Off-set/Set-up	
Pressure/Forced	Contamination	Power Loss/Surge	Positioned Wrong																																
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Mislabeled	Fit/Function	Off-set/Set-up																																	
Other/Details:																																			
Completed By				Lead hand / Supervisor																															
QC / QA Coordinator																																			



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **POHB046663**



Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

Attention: N/A,

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB046663

PO Date: 6/30/20

Due Date: 7/3/20

**Purchase Order
Revision:**

Revision Date:

Issued By: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	210829	1173N124		10/pk	O-Ring	Firmed	-	7/3/20	10 Ea	0 Ea	10 Ea	\$1.375/Ea	\$13.75
2		20625A914		1/pk	Dial Indicator Atchmnt Agd- 2 Dial	Firmed	-	7/3/20	1 lbs	0 lbs	1 lbs	\$6.63/lbs	\$6.63
3		6102N3		3 ft length	Tight- Tolerance 1215 Carbon Steel Rod, Easy-to- Machine, 5/8" Diameter	Firmed	-	7/3/20	3 ft	0 ft	3 ft	\$9.8033/ft	\$29.41
4		7767T61		6 ft	Low-Carbon Steel Round Tube, 0.188" Wall Thickness, 3/4" OD	Firmed	-	7/3/20	6 ft	0 ft	6 ft	\$8.51/ft	\$51.06
5		89955K998		3 ft length	Tube	Firmed	-	7/3/20	15 ft	0 ft	15 ft	\$14.8133/ft	\$222.20
6	210811	92778A067		25/pk	18-8 Stainless Steel Oval-Tip Set Screws, 6- 32 Thread, 1/8" Long	Firmed	-	7/3/20	25 Ea	0 Ea	25 Ea	\$0.1248/Ea	\$3.12
7		9559K41		10/pk	O-Ring	Firmed	-	7/3/20	10 Ea	0 Ea	10 Ea	\$1.268/Ea	\$12.68
8	210889	9642K31		25/pk	Trigger Ball	Firmed	-	7/3/20	25 Ea	0 Ea	25 Ea	\$0.3884/Ea	\$9.71
9		C45-11-2	C45	90145A510 20/pk	Locating Pin	Firmed	-	7/3/20	20 Ea	0 Ea	20 Ea	\$0.423/Ea	\$8.46

Plex 6/30/20 1:03 PM Dart.Guerin.Kimberley



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PURCHASE ORDER

POHB046663



Items													
Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
10		C45-3-4-1	C250	98410A110 100/pk	Retaining Ring	Firmed X100	-	7/3/20	100 Ea	0 Ea	100 Ea	\$0.1351/Ea	\$13.51
11		C45-3-5		95606A180 100 / per pk	Teflon Spacer	Firmed X100	-	7/3/20	100 Ea	0 Ea	100 Ea	\$0.1295/Ea	\$12.95
12		EL-PLUG-M		7216k5 1/pk color yellow	3-Prong Male Spade Plug	Firmed X30	-	7/3/20	30 Ea	0 Ea	30 Ea	\$7.80/Ea	\$234.00
13		EL-PLUG-F		7216k6 1/pk color yellow	3-Prong Female Spade Plug	Firmed X30	-	7/3/20	30 Ea	0 Ea	30 Ea	\$13.60/Ea	\$408.00
14		RBT18520-19		20715A69 1/PK	Dial Indicator, 1"	Firmed X1	-	7/3/20	1 Ea	0 Ea	1 Ea	\$14.96/Ea	\$14.96
15		SWA6A-1900		69525K16 100/pk	1/4" Female Spade Connector	Firmed X100	-	7/3/20	100 Ea	0 Ea	100 Ea	\$0.0772/Ea	\$7.72
16	210789	91525A120		25/pk	washer D3456-1 : AS PER DWG D3456 REVA	Firmed X75	-	7/3/20	75 pcs	0 pcs	75 pcs	\$0.2152/pcs	\$16.14
17	210909	9776K38		75 ft roll	Hook & Loop Strip 1" D3800-1-100 : AS PER DWG D3800 REV. B NOTE REQUIRED AT DELIVERY: Date of Manufacturing: EXP: Date:	Firmed X75	-	7/3/20	75 ft	0 ft	75 ft	\$1.3289/ft	\$99.67
18	210910	9776K33		9776K999 75 ft roll	Hook And Loop Strip 1" D3800-3-100 : AS PER DWG D3800 REV.B Shelf life required	Firmed	-	7/3/20	75 ft	0 ft	75 ft	\$1.3289/ft	\$99.67
19	210855	9452K79		100/pk	O-Ring	Firmed X100	-	7/3/20	100 Ea	0 Ea	100 Ea	\$0.0763/Ea	\$7.63
20	210891	93705A195		50/pk	Socket Head Cap Screw	Firmed X50	-	7/3/20	50 Ea	0 Ea	50 Ea	\$0.1484/Ea	\$7.42
Grand Total:												\$1,278.68	



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PURCHASE ORDER
POHB046663



Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 DOCUMENT SPECIAL REQUIREMENTS
A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

A handwritten signature in black ink, appearing to read "K. Guerin".

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 6/30/20 1:03 PM Dart.Guerin.Kimberley

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
POH046663

Page 1 of 2

06/30/2020

Order Placed By
Kim

McMaster-Carr Number
7440461-04

Line	Product	Ordered	Shipped
1	20625A914 Mitutoyo Model 101039 Flat Back for Plunger-Style Variance Indicator	1 Each	1 ✓
3	1173N124 High-Temperature Soft Silicone O-Ring, 3/32 Fractional Width, Dash Number 124, Packs of 10	1 Pack	1 ✓
6	92778A067 18-8 Stainless Steel Oval-Tip Set Screws, 6-32 Thread, 1/8" Long, Packs of 25	1 Pack	1 ✓
7	93705A195 18-8 Stainless Steel Thread-Locking Socket Head Screw, 6-32 Thread Size, 5/8" Long, Packs of 50	1 Pack	1 ✓
8	9559K41 Ultra-Chemical-Resistant Rigid PTFE O-Ring, 1/8 Fractional Width, Dash Number 219, Packs of 10	1 Pack	1 ✓
10	90145A510 18-8 Stainless Steel Dowel Pin, 3/16" Diameter, 1" Long, Packs of 20	1 Pack	1 ✓
11	98410A110 External Retaining Ring for 3/16" OD, Beryllium Copper, Packs of 100	1 Pack	1 ✓
12	95606A180 Nylon Plastic Washer for 1/2" Screw Size, 0.562" ID, 0.75" OD, Off-White, Packs of 100	1 Pack	1 ✓
13	7216K5 Hinged Straight-Blade Housing, Hinged, 3-Blade Plug, Grounded, NEMA 5-15, Yellow	30 Each	30 -
14	7216K6 Hinged Straight-Blade Housing, 3-Slot Socket, NEMA 5-15, Yellow	30 Each	30 -
15	20715A69 Dial Plunger-Style Variance Indicator with 0" to 1" Measuring Range	1 Each	1 ✓
16	69525K16 Noninsulated Quick-Disconnect Terminals, Single-Crimp Female, 16-14 Gauge, 1/4" Wide x 0.032" Thick Tab, Packs of 100	1 Pack	1 ✓
17	91525A120 316 Stainless Steel Washer, Oversized, 1/4" Screw Size, 0.281" ID, 1" OD, Packs of 25	3 Packs	3 ✓
18	9776K38 Flame-Retardant Loop, 1" Wide x 75 Feet Long	1 Each	1 ✓
20	9452K79 Oil-Resistant Buna-N O-Ring, 1/16 Fractional Width, Dash Number 025, Packs of 100	1 Pack	1 ✓

RECEIVED

Shipped separately from our Cleveland warehouse on 06/30

JUL 5 2 2020

4	7767T61 Low-Carbon Steel Round Tube, 0.188" Wall Thickness, 3/4" OD, 6 Feet Long	1 Each	1 ✓
5	89955K998 Easy-to-Weld 4130 Alloy Steel Round Tube, 0.188" Wall Thickness, 5/8" OD, 3 Feet Long	5 Each	5 ✓

1-Box
P2011 CPK007876793

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
POHB046663

Order Placed By
Kim

McMaster-Carr Number
7440461-04

Page 2 of 2

06/30/2020

Line	Description	Ordered	Shipped
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Shipped separately from our New Jersey warehouse on 06/30

9	9642K31	Tight-Tolerance Hardened 440C Stainless Steel Ball, 9/64" Diameter	1 Pack	1
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2	6102N3	Tight-Tolerance 1215 Carbon Steel Rod, Easy-to-Machine, 5/8" Diameter, 3 Feet Long	1 Each	1
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Expected to ship

19	9776K33	Flame-Retardant Hook, 1" Wide X 75 Feet Long	1 Each	1 Jul 2-22
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Certificate of compliance

This is to certify that the above items were supplied in accordance with the description and as illustrated in the catalog. Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

DAS
82
9-89


Sarah Weinberg
Compliance Manager



High-Temperature Soft Silicone O-Ring

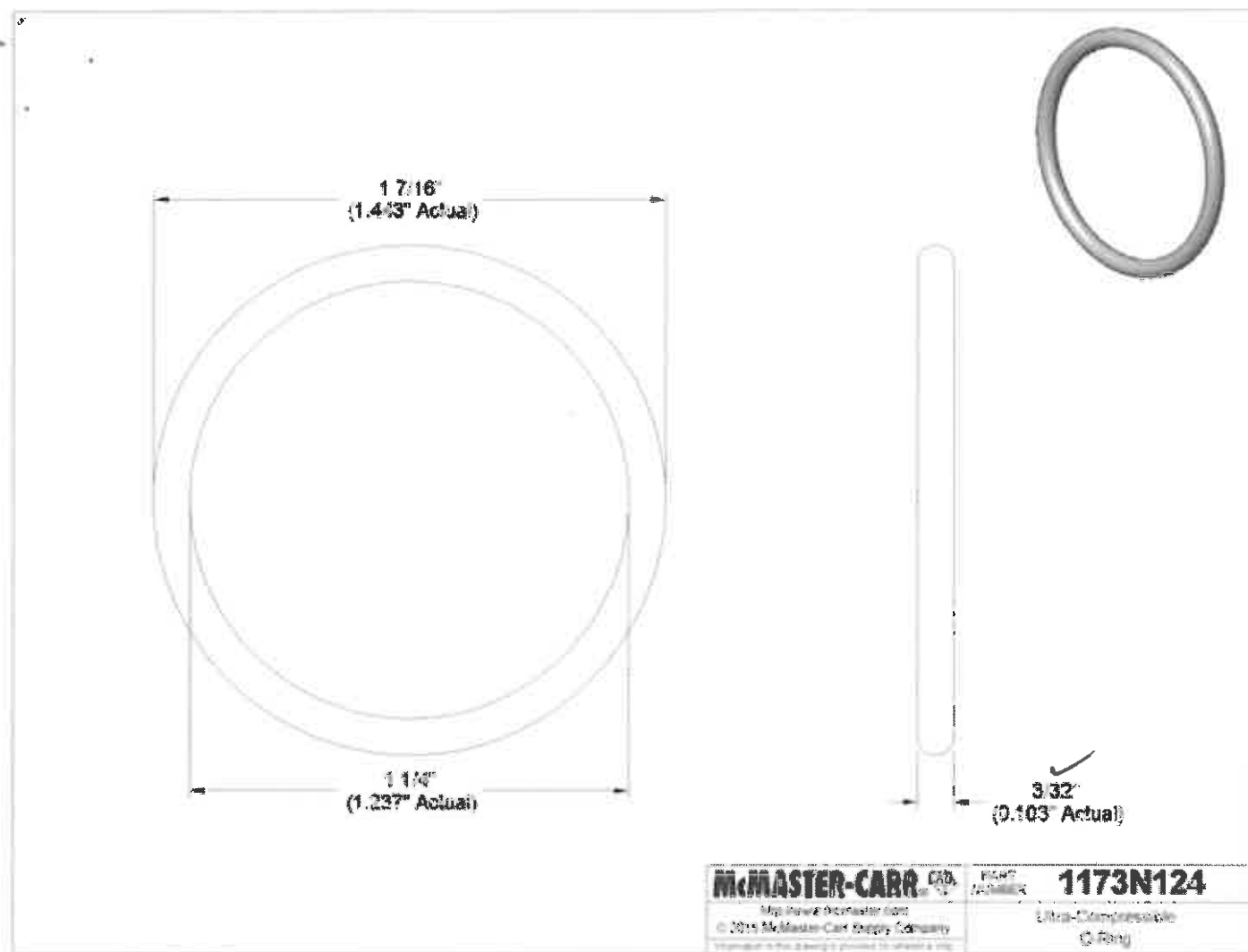
3/32 Fractional Width, Dash Number 124

\$13.75 per pack of 10
1173N124



Material	Silicone Rubber ✓	DAS 82 9-89
Cross Section Shape	Round	
Dash Number	124 ✓	
Fractional		
Width	3/32	
ID	1 1/4	
OD	1 7/16	
Actual		
Width	0.103"	
ID	1.237"	
OD	1.443"	
Hardness	Durometer 50A (Soft) ✓	
For Use With	Ammonia Ammonium Hydroxide Animal Oils Boric Acid Butyl Alcohol Calcium Hydroxide Citric Acid Ethanol Ethylene Glycol Glycerin Hydraulic Oils Isopropyl Alcohol Methanol Mineral Oils Motor Oil Sodium Bicarbonate Transmission Fluid Vegetable Oils Water	
Specifications Met	ASTM D2000, SAE AS568 ✓	
Temperature Range	-60° to 400° F	
Color	Red	
RoHS	RoHS 3 (2015/863/EU) Compliant	
REACH	REACH (EC 1907/2006) (01/16/2020, 205 SVHC) Compliant	
Country of Origin	Peoples Republic of China	

Able to withstand temperatures up to 400° F, these silicone O-rings are softer than standard silicone O-rings for a better seal in low-pressure applications. They have a round profile and are suitable for a wide range of static and dynamic sealing applications. All are sized to the SAE standard AS568.



The information in this 3-D model is provided for reference only.

